From: "Brattin, Bill" <brattin@srcinc.com>
   To:

Before you go too far, here are the issues:
1) If you calculate AM by year and fit a line through the data,
this gives equal weight to each data point, even though the number
of samples (and hence the confidence in the value) varies widely by
year. That is why I suggested creating a plot that shows AM by
year, and includes the uncertainty bounds. That may be helpful.
However, I am pretty sure the standard method for fitting a model
that gives AM by year would be to fit the individual data.
Obviously, you get very different results if you use the individual
data rather than the yearly means.
2) Assuming a linear model makes no sense to me, at least until
someone shows me that a linear model fits better than other non-
linear options. Asd you noted, a linear model will predict
negative values.
I will do a little experimenting with the data to see what strategy
seems to make sense.
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From: Bob Benson [Benson.Bob@epamail.epa.gov]
Sent: Thursday, June 07, 2012 10:08 PM
To: Brattin, Bill
Subject: Data Files Needed
Can you resend the files that have GM, AM, and AM(MVUE) tables and
charts. I have either lost or corrupted the files. I am intending
to construct a JEM using the AM(MVUE) values.
Here is the JEM I created using the arithmetic means. Do you see
any obvious errors or problems?